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DP
6/4/3
Utility Patent
Ser. No. 09/778,544

BEFORE THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Andy T. Zupan)
Serial No.: 09/778,544)
Filed: 02/07/2001)
Title: Portable, Multipurpose, Air)
Dispensing Apparatus)

Date: October 22, 2002

Group Art Unit: 3761

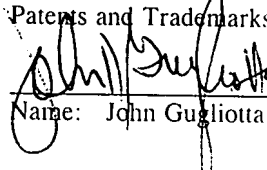
Examiner:

Patel, M.

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JUN 02 2003
TECHNOLOGY CENTER H3760

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.


Name: John Gugliotta

October 24, 2002
Date

DECLARATION OF JAMES A. BICKFORD, P.E. UNDER 37 C.F.R. 1.132

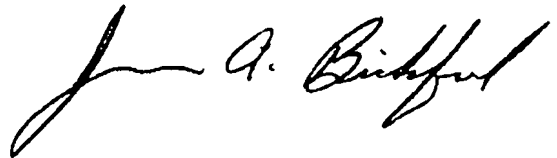
Now comes declarant and states and declares the following:

1. That I have a Bachelor's Degree in Engineering from the University of Toledo and am a Registered Professional Engineer in the States of Ohio and Pennsylvania
2. That I also have other experience as shown in the attached Curriculum Vitae, which is referenced as if fully restated herein.
3. That I am familiar with the invention described in the specification of the present patent application.
4. I feel, based upon review of the patent application, the Office Action dated 07/24/2002, and the Amendment and Remarks in response to the Office Action dated 07/24/2002 that

I am sufficient skilled in the technology disclosed as to be one of ordinary skill in the art.

5. I feel that the present application, as amended, is sufficiently enabling such as to allow me to practice the invention.

FURTHER DECLARANT SAITH NAUGHT.

A handwritten signature in cursive script, appearing to read "James A. Bickford".

James A. Bickford. P.E.

JAMES A. BICKFORD P.E.

jbickford@usa.net

CAREER SUMMARY

A seasoned professional with more than 18 years experience in engineering and technical fields for manufacturing, industrial, automotive, chemical, governmental, commercial and intellectual property fields. Self-motivated individual with excellent people skills, broad technical and problem solving capabilities. Experience includes:

- | | |
|--|---|
| <input type="checkbox"/> Electrical Design | <input type="checkbox"/> Project Documentation |
| <input type="checkbox"/> Supervision | <input type="checkbox"/> Budgets |
| <input type="checkbox"/> Field Start-up | <input type="checkbox"/> Requisitions |
| <input type="checkbox"/> Specifications | <input type="checkbox"/> Consultant |
| <input type="checkbox"/> CADD Design | <input type="checkbox"/> Feasibility Reports |
| <input type="checkbox"/> PC Knowledge | <input type="checkbox"/> Technical Evaluations |
| <input type="checkbox"/> Scheduling | <input type="checkbox"/> Application Software Development |

EMPLOYMENT HISTORY

SELF EMPLOYED

1995 - Present

Technical Consultant

Served as independent consultant to local and Washington, DC law firms on technical concerns of intellectual property. Work includes:

- ☐ Prepare technical reports on new product ideas with regards to feasibility, functionality and ability to manufacture.
- ☐ Prepared detailed specifications and drawings to assist in new product development.
- ☐ Assisted in patent application writing and preparation of patent artwork.
- ☐ Provided improvement suggestions and enhancements for new products.
- ☐ Identified governmental regulation bodies governing new products.
- ☐ Identify principle product technology and market capability for purposes of targeting commercialization transfer.
- ☐ Responsible for workflow tracking, invoicing, and turn around reports.
- ☐ Assisted in the conversion and development of database software to track prospective clients, market leads, and industry contacts.

WASHINGTON GROUP INTERNATIONAL (Cleveland, Ohio)

1985 - Present

Staff Electrical Engineer (February 1993 - Present)

Responsible for project management and detailed design on large and small scale projects. Work includes:

- ☐ Management of a design team that identifies, defines and solves design problems on industrial and commercial projects. Work involves contact with multiple discipline design teams, regulatory agencies, client representatives, final

users, and internal clients.

- Design of a grassroots chemical plant for a food additive for McNeil Specialty Products. Work included electrical design of power distribution system, distributed control system, motor control, VFD power and control design, and process instrumentation wiring.
- Responsibility for the electrical engineering at Assembly plants for Ford Motor Co. Plant modifications included major demolition work, complete utility overhaul, new product fitout and building expansions.

Senior Electrical Engineer (May 1988 - February 1993)

Responsible for electrical discipline on medium to large scale projects. Work included:

- Responsible for supervising the preparation of design concepts, layouts and detailed design for various clients. Many of these projects have included unique electrical requirements such as clean room work, automated storage and retrieval systems, tank farm work, bulk material conveying systems and security systems work.

Electrical Design Engineer (June 1985 - May 1988)

Responsible for electrical calculations and drawings (manual and CADD) for 480 volt power and control, motor schematics, lighting design, and heat tracing. Projects included:

- Power plant retrofit for a US Air Force Base
- Packaging work for Anheuser Busch
- Snack Food Facility for Frito-Lay
- Grassroots Snack facility for Eagle Snacks
- Paint Tank Farm for Ford

NEWPORT NEWS SHIPBUILDING Newport News, Virginia

1983 - 1985

Electrical Engineer

Responsible for engineering aspects of internal communication and control circuits used aboard aircraft carriers and other naval vessels.

- Incorporated Navy authorized changes into existing shipboard systems and control circuits.
- Provided lectures to ship's crew on design and maintenance of equipment and systems.
- Reviewed Government furnished information and equipment for acceptability.

Other electrical technical positions

1979 - 1983

EDUCATION

B.S. Electrical Engineering (June 1983) - The University of Toledo, Toledo, Ohio

PROFESSIONAL QUALIFICATIONS

Registered Professional Engineer - States of Ohio, Alabama & Pennsylvania
Department of Defense - Top Secret and SCI Security Clearance

ASSOCIATIONS

Institute of Electrical and Electronics Engineers (IEEE)